

# ***Organization and Conduct of Collaborative Gen IV Research and Development***

***GIF Policy and Experts Meeting: Rio de Janeiro  
July 9-10, 2002***



# *Overview of this Presentation*

- *Charter*
- *Implementing Arrangements*
- *Schedule*
- *GIF Secretariat*
- *NEA Role*



# Charter

- *Defines Policy Group, Experts Group, and Secretariat functions*
- *Defines membership issues*
- *Members participate in R&D for at least one concept*
- *Declares intentions to collaborate in R&D*
- *Potential areas of collaboration [Gen IV concepts]*
- *Avoids common-fund approach*
- *Defers to implementing arrangements to define terms of R&D collaboration*
- *Upon GIF approval, organizations from non-GIF countries may participate in R&D projects at the invitation of the Secretariat*



# *Implementing Arrangement*

- *Between participating GIF organizations*
- *Limited to R&D on one concept, including conceptual design of a demonstration facility (but not construction)*
- *Establishes steering committee, executive agent, and other participants*
- *Establishes desired outcomes [based on Gen IV Roadmap]*
- *Establishes obligations, intellectual property rights, dispute resolution, amendment and withdrawal, other*



# ***Implementing Arrangement for “Concept A”***

- ***Executive Agent***
  - ***Invites participants to subscribe to R&D projects***
  - ***Arranges for use of facilities***
  - ***Provides management function***
- ***Roadmap is basis for “Projects”***
  - ***Each major technology area constitutes a “Project” :  
fuels, materials, primary system, energy conversion, etc.***
  - ***Annual (periodic) Project statement of work***
  - ***Participant responsibility & Project lead***
- ***Formula to account for participant contributions***
  - ***Participation threshold for each country (10%)***
- ***Facilities use, existing or new***



# Gen IV Roadmap

Concepts ....F

Concept C

Concept B

**Concept A**

Concept A  
Viable

Conceptual Design of Demo

Demo

Need new  
agreement for  
Demo

Project 1

Project 2


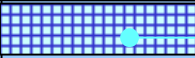


Project 3

Project 4




## GIF Policy and Experts

| Countries | Organizations |
|-----------|---------------|
|-----------|---------------|

|    |   |
|----|---|
| 1  |  |
| 2  |   |
| 3  |  |
| 4  |   |
| 5  |   |
| 6  |   |
| 7  |  |
| 8  |   |
| 9  |   |
| 10 |  |

## Non-GIF

|    |   |
|----|---|
| 11 |  |
| 12 |   |
| 13 |   |
|    |   |

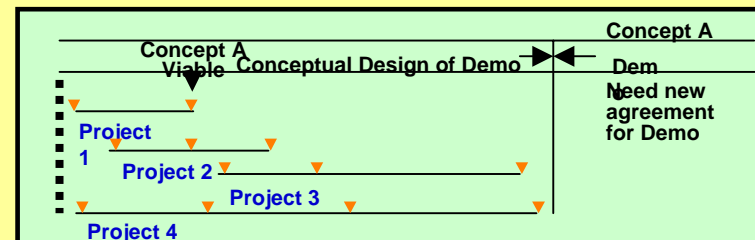
## GIF Secretariat

## Concept A: Implementing Arrangement

### Steering Committee & Program Mgt.

- Participants:**
- Executive Agent
  - GIF Organizations.
  - Non-GIF Organizations.

### Workscope, Milestones, Deliverables



### Annual Statement of Work

### Participant Responsibilities

### Facilities

### Terms

IPR, Dispute Resolution, Amendment and Withdrawal, Other

Concept F  
Concept E  
Concept D  
Concept C  
Concept B

# Schedule

- *Jul 2002 First indication of interest in participating in concepts*
- *Sep 2002 Complete Gen IV Roadmap*
- *Oct 2002 Establish provisional teams of participants, executive agents, and R&D responsibilities  
Start drafting Implementing Arrangements*
- *Mar 2003 Confirm teams of participants, executive agents, and R&D intentions within existing budgets*
- *Mar 2003 Define additional budgets needed for unsubscribed R&D*
- *Sep 2003 Sign Implementing Arrangement and initiate Projects*

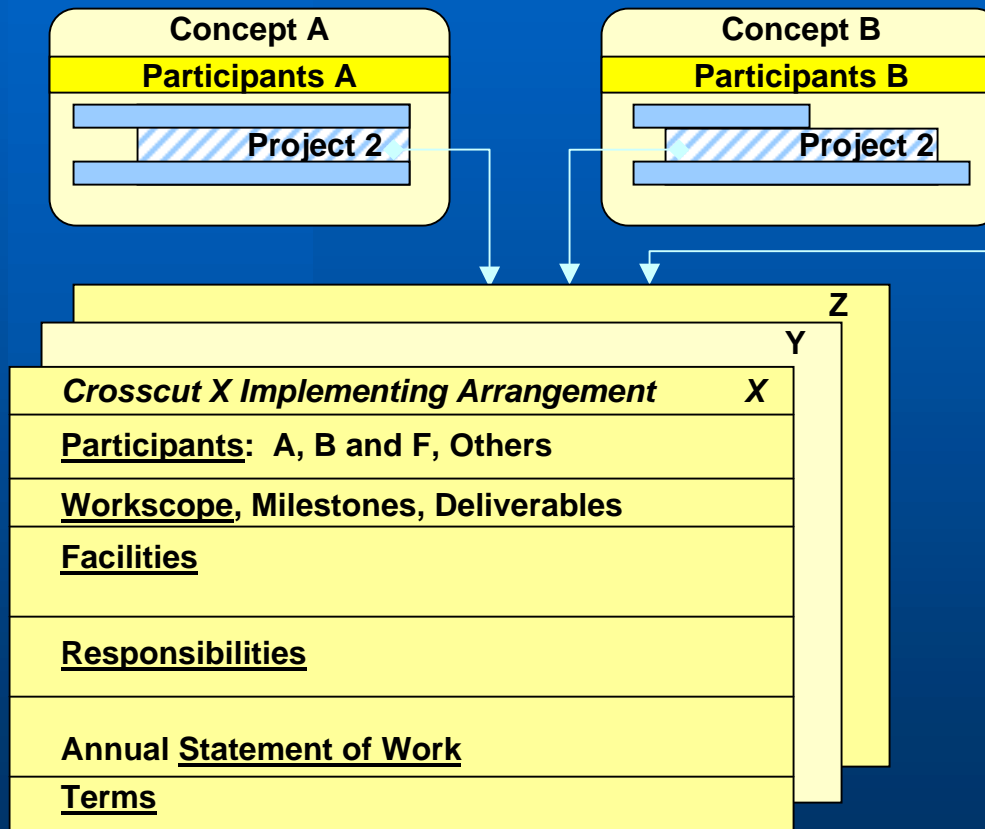




# *Keep in Reserve*



# Implementing Arrangement for Crosscut R&D



- *Much in common between Concept A, B and F Project 2*
- *All Participants in A, B and F agree to establish Crosscut Implementing Arrangement*
- *All results become available to all A, B and F participants*
- *Others (not A, B or F participants) could participate by invitation*

